

ABSTRACT

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Methods and devices for incorporating additional information, such as: HDTV side strips; additional definition; stereoscopic or 3D conversion information; image area maps; motion analysis information; interactive or gaming information; multimedia or hypermedia information; into a portion of an information bearing signal unused for program content. In particular, the additional information may be placed in advance of the program material with which it is associated in order to permit additional time to be expended upon the decoding, preparation and/or use of such information by a low-powered computing element. Off-line computation and recording may be used to advantage at the encoding end of the process, as well as pipelined architecture at the reception end.

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